



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 8K 360P-2-D-835-X-CA.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] 13551818.01  
 [TESTLAB] UL Verification Services Inc.  
 [ISSUEDATE] 11/4/2020  
 [MANUFAC] Lux Dynamics  
 [LUMCAT] 360P-2-D-835-xxx-xx-CA  
 [LUMINAIRE] Gray cylindrical metal housing with diffuse plastic lens  
 [LAMP] White 306 LEDs  
 [BALLAST] One (1) OSRAM OPTOTRONIC OTi 85/120-277/2A3 DIM L HB  
 [OTHER] 24.8 C, 277.008 V, 0.201276 A, 53.1278 W, 0.952878 PF, 59.9678  
 [MORE] Hz  
 [OTHER] This test was performed using the calibrated photodetector met  
 [MORE] hod of absolute photometry.

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7535
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	142
Total Luminaire Watts	53.1278
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.92 ft
Luminous Width (90-270)	0.38 ft
Luminous Height	0.06 ft

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	33878	30658	30121
55	28673	25022	32960
65	20336	27295	24224
75	9710	20931	15897
85	2271	15990	10997

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**CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>0.0</b>	2559.0	2559.0	2559.0	2559.0	2559.0
<b>0.5</b>	2517.0	2550.0	2564.0	2575.0	2585.0
<b>1.0</b>	2516.0	2552.0	2568.0	2582.0	2592.0
<b>1.5</b>	2516.0	2555.0	2574.0	2588.0	2596.0
<b>2.0</b>	2517.0	2555.0	2580.0	2592.0	2600.0
<b>2.5</b>	2514.0	2559.0	2584.0	2597.0	2606.0
<b>3.0</b>	2514.0	2561.0	2589.0	2602.0	2608.0
<b>3.5</b>	2511.0	2564.0	2592.0	2601.0	2603.0
<b>4.0</b>	2510.0	2567.0	2596.0	2596.0	2599.0
<b>4.5</b>	2510.0	2569.0	2596.0	2592.0	2593.0
<b>5.0</b>	2510.0	2573.0	2593.0	2585.0	2588.0
<b>5.5</b>	2506.0	2575.0	2589.0	2581.0	2586.0
<b>6.0</b>	2505.0	2575.0	2581.0	2580.0	2581.0
<b>6.5</b>	2502.0	2577.0	2575.0	2573.0	2572.0
<b>7.0</b>	2502.0	2578.0	2570.0	2563.0	2565.0
<b>7.5</b>	2499.0	2578.0	2565.0	2557.0	2563.0
<b>8.0</b>	2496.0	2578.0	2559.0	2551.0	2569.0
<b>8.5</b>	2493.0	2574.0	2554.0	2554.0	2586.0
<b>9.0</b>	2491.0	2571.0	2546.0	2564.0	2614.0
<b>9.5</b>	2487.0	2566.0	2541.0	2585.0	2645.0
<b>10.0</b>	2481.0	2562.0	2536.0	2615.0	2670.0
<b>10.5</b>	2478.0	2554.0	2532.0	2643.0	2678.0
<b>11.0</b>	2476.0	2547.0	2532.0	2660.0	2666.0
<b>11.5</b>	2469.0	2540.0	2535.0	2665.0	2651.0
<b>12.0</b>	2466.0	2532.0	2547.0	2656.0	2639.0
<b>12.5</b>	2461.0	2524.0	2564.0	2642.0	2620.0
<b>13.0</b>	2457.0	2518.0	2582.0	2626.0	2601.0
<b>13.5</b>	2451.0	2510.0	2602.0	2607.0	2585.0
<b>14.0</b>	2445.0	2502.0	2615.0	2585.0	2576.0
<b>14.5</b>	2440.0	2493.0	2621.0	2569.0	2572.0
<b>15.0</b>	2436.0	2485.0	2621.0	2562.0	2570.0
<b>15.5</b>	2430.0	2477.0	2618.0	2558.0	2561.0
<b>16.0</b>	2423.0	2469.0	2607.0	2555.0	2562.0
<b>16.5</b>	2416.0	2460.0	2592.0	2547.0	2565.0
<b>17.0</b>	2408.0	2451.0	2573.0	2539.0	2562.0
<b>17.5</b>	2403.0	2443.0	2554.0	2539.0	2553.0
<b>18.0</b>	2393.0	2435.0	2536.0	2538.0	2544.0
<b>18.5</b>	2385.0	2430.0	2518.0	2533.0	2539.0
<b>19.0</b>	2376.0	2423.0	2502.0	2525.0	2536.0
<b>19.5</b>	2366.0	2419.0	2491.0	2519.0	2525.0
<b>20.0</b>	2356.0	2414.0	2485.0	2511.0	2506.0
<b>20.5</b>	2346.0	2409.0	2477.0	2505.0	2496.0
<b>21.0</b>	2337.0	2405.0	2466.0	2492.0	2495.0
<b>21.5</b>	2328.0	2402.0	2456.0	2477.0	2491.0
<b>22.0</b>	2317.0	2399.0	2446.0	2467.0	2482.0
<b>22.5</b>	2307.0	2396.0	2437.0	2465.0	2470.0
<b>23.0</b>	2298.0	2396.0	2429.0	2457.0	2455.0
<b>23.5</b>	2288.0	2395.0	2416.0	2444.0	2432.0
<b>24.0</b>	2280.0	2394.0	2407.0	2433.0	2407.0
<b>24.5</b>	2269.0	2394.0	2398.0	2419.0	2380.0
<b>25.0</b>	2260.0	2393.0	2390.0	2400.0	2345.0
<b>25.5</b>	2246.0	2390.0	2379.0	2377.0	2309.0
<b>26.0</b>	2236.0	2385.0	2367.0	2351.0	2281.0
<b>26.5</b>	2227.0	2379.0	2354.0	2320.0	2260.0

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**CANDELA TABULATION - (Cont.)**

27.0	2213.0	2371.0	2341.0	2291.0	2247.0
27.5	2202.0	2360.0	2330.0	2264.0	2235.0
28.0	2189.0	2349.0	2320.0	2238.0	2222.0
28.5	2177.0	2338.0	2307.0	2218.0	2216.0
29.0	2164.0	2323.0	2290.0	2204.0	2210.0
29.5	2151.0	2306.0	2268.0	2189.0	2200.0
30.0	2137.0	2288.0	2244.0	2175.0	2186.0
30.5	2122.0	2267.0	2220.0	2167.0	2174.0
31.0	2107.0	2248.0	2199.0	2159.0	2154.0
31.5	2094.0	2229.0	2181.0	2146.0	2119.0
32.0	2078.0	2211.0	2164.0	2130.0	2092.0
32.5	2064.0	2192.0	2145.0	2118.0	2077.0
33.0	2051.0	2171.0	2125.0	2099.0	2054.0
33.5	2036.0	2149.0	2104.0	2069.0	2040.0
34.0	2020.0	2128.0	2083.0	2045.0	2038.0
34.5	2006.0	2104.0	2065.0	2029.0	2048.0
35.0	1992.0	2080.0	2050.0	2012.0	2055.0
35.5	1977.0	2055.0	2040.0	1996.0	2060.0
36.0	1963.0	2034.0	2024.0	1985.0	2058.0
36.5	1949.0	2014.0	2005.0	1983.0	2030.0
37.0	1931.0	1994.0	1987.0	1988.0	1981.0
37.5	1916.0	1976.0	1966.0	1995.0	1931.0
38.0	1899.0	1959.0	1943.0	1995.0	1884.0
38.5	1884.0	1942.0	1922.0	1983.0	1852.0
39.0	1865.0	1924.0	1903.0	1946.0	1828.0
39.5	1845.0	1906.0	1884.0	1890.0	1809.0
40.0	1828.0	1887.0	1863.0	1832.0	1795.0
40.5	1811.0	1865.0	1847.0	1780.0	1784.0
41.0	1792.0	1844.0	1830.0	1744.0	1775.0
41.5	1774.0	1823.0	1807.0	1723.0	1762.0
42.0	1757.0	1802.0	1791.0	1707.0	1749.0
42.5	1740.0	1780.0	1774.0	1695.0	1737.0
43.0	1725.0	1756.0	1749.0	1683.0	1725.0
43.5	1709.0	1732.0	1724.0	1669.0	1710.0
44.0	1692.0	1710.0	1697.0	1655.0	1701.0
44.5	1674.0	1687.0	1674.0	1639.0	1683.0
45.0	1654.0	1663.0	1655.0	1619.0	1663.0
45.5	1635.0	1640.0	1638.0	1601.0	1649.0
46.0	1615.0	1615.0	1621.0	1586.0	1635.0
46.5	1594.0	1591.0	1605.0	1580.0	1617.0
47.0	1571.0	1569.0	1583.0	1568.0	1601.0
47.5	1546.0	1548.0	1553.0	1554.0	1582.0
48.0	1521.0	1528.0	1521.0	1538.0	1563.0
48.5	1497.0	1509.0	1487.0	1521.0	1556.0
49.0	1469.0	1490.0	1453.0	1501.0	1553.0
49.5	1443.0	1471.0	1421.0	1483.0	1550.0
50.0	1418.0	1451.0	1392.0	1468.0	1535.0
50.5	1390.0	1426.0	1366.0	1448.0	1516.0
51.0	1362.0	1403.0	1343.0	1435.0	1500.0
51.5	1338.0	1380.0	1320.0	1429.0	1494.0
52.0	1310.0	1359.0	1299.0	1430.0	1497.0
52.5	1283.0	1336.0	1278.0	1429.0	1513.0
53.0	1256.0	1314.0	1255.0	1425.0	1531.0
53.5	1228.0	1289.0	1230.0	1424.0	1550.0
54.0	1202.0	1263.0	1202.0	1425.0	1557.0
54.5	1177.0	1238.0	1176.0	1433.0	1567.0

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55.0	1151.0	1212.0	1154.0	1443.0	1567.0
55.5	1125.0	1187.0	1139.0	1448.0	1550.0
56.0	1098.0	1162.0	1129.0	1448.0	1527.0
56.5	1072.0	1136.0	1116.0	1439.0	1504.0
57.0	1045.0	1110.0	1100.0	1429.0	1470.0
57.5	1018.0	1083.0	1083.0	1419.0	1429.0
58.0	990.8	1057.0	1067.0	1402.0	1383.0
58.5	963.2	1031.0	1054.0	1381.0	1334.0
59.0	935.6	1006.0	1044.0	1358.0	1286.0
59.5	909.1	980.9	1038.0	1331.0	1242.0
60.0	881.6	956.2	1037.0	1295.0	1204.0
60.5	854.4	931.8	1040.0	1256.0	1169.0
61.0	827.2	908.0	1048.0	1215.0	1130.0
61.5	800.1	884.7	1062.0	1173.0	1098.0
62.0	773.3	861.9	1075.0	1130.0	1067.0
62.5	746.4	839.3	1083.0	1090.0	1039.0
63.0	719.9	817.3	1082.0	1057.0	1016.0
63.5	693.7	795.8	1073.0	1030.0	1001.0
64.0	667.4	774.9	1057.0	1007.0	985.0
64.5	641.3	754.6	1034.0	986.8	963.2
65.0	615.0	734.6	1006.0	968.9	930.9
65.5	588.5	714.0	975.9	950.3	894.3
66.0	562.4	693.2	946.4	930.9	854.7
66.5	536.2	673.1	919.0	907.0	814.4
67.0	510.2	653.2	894.6	881.3	779.0
67.5	484.6	633.4	873.7	852.8	749.3
68.0	459.6	614.4	855.2	818.8	724.8
68.5	435.2	595.8	838.7	780.1	704.5
69.0	411.4	577.5	823.4	741.6	684.5
69.5	388.2	559.7	809.9	706.1	663.1
70.0	366.0	542.0	797.0	675.7	639.0
70.5	344.6	525.3	782.1	649.0	612.8
71.0	324.0	509.1	762.7	625.8	589.4
71.5	304.3	494.1	740.4	604.1	565.0
72.0	285.3	479.8	715.5	585.4	543.9
72.5	267.2	466.2	687.7	569.8	521.7
73.0	250.0	453.2	660.3	553.5	501.7
73.5	233.4	440.5	632.5	535.4	485.6
74.0	217.7	428.3	604.6	513.2	470.1
74.5	202.6	415.9	578.2	485.6	456.9
75.0	188.6	403.4	554.1	457.9	447.5
75.5	175.1	390.5	531.8	432.8	437.9
76.0	162.2	376.7	510.8	411.8	425.7
76.5	149.8	362.2	491.2	394.9	410.7
77.0	138.2	347.5	473.1	380.1	393.6
77.5	127.0	332.4	455.9	367.0	375.8
78.0	116.6	317.0	438.2	355.6	358.7
78.5	106.9	301.8	419.5	346.1	342.2
79.0	97.2	286.9	399.8	336.6	325.7
79.5	88.5	272.3	381.0	326.4	310.5
80.0	80.0	257.9	363.8	315.3	298.1
80.5	71.9	244.3	347.3	303.0	286.5
81.0	64.3	231.0	332.0	290.7	274.8
81.5	57.2	218.0	318.0	278.8	262.9
82.0	50.5	205.4	305.5	267.2	251.2
82.5	44.1	192.9	293.7	256.4	239.6

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**CANDELA TABULATION - (Cont.)**

83.0	38.1	181.1	282.8	246.4	229.0
83.5	32.6	169.5	273.0	237.1	218.2
84.0	27.4	158.7	263.6	228.0	207.3
84.5	22.6	148.3	254.1	218.7	196.8
85.0	18.2	138.6	244.4	209.3	187.1
85.5	14.1	129.3	235.0	200.0	179.1
86.0	10.4	120.5	225.8	190.9	171.2
86.5	7.2	112.2	216.7	182.6	163.4
87.0	4.3	104.6	208.4	174.6	156.0
87.5	2.0	97.7	200.5	166.9	149.5
88.0	0.7	91.3	192.9	159.7	143.4
88.5	0.0	85.8	186.0	152.7	136.7
89.0	0.0	80.9	179.3	146.6	130.8
89.5	0.0	76.6	173.1	141.1	125.2
90.0	0.0	72.8	167.3	135.7	120.6
90.5	0.0	69.5	162.1	130.8	115.4
91.0	0.0	66.7	157.1	125.9	111.2
91.5	0.0	64.2	152.4	121.2	107.9
92.0	0.0	62.0	148.1	116.6	104.7
92.5	0.0	60.0	143.5	112.7	101.1
93.0	0.0	58.3	139.2	108.8	98.1
93.5	0.0	56.7	135.3	105.1	95.4
94.0	0.0	55.2	131.6	101.4	92.9
94.5	0.0	53.9	128.1	97.9	90.5
95.0	0.0	52.8	124.3	94.7	88.1
95.5	0.0	51.9	120.6	91.6	85.7
96.0	0.0	51.2	117.2	88.8	83.6
96.5	0.0	50.6	113.6	86.2	81.6
97.0	0.0	50.2	109.9	83.9	79.7
97.5	0.0	49.9	106.6	81.8	78.2
98.0	0.0	49.8	103.7	79.9	77.0
98.5	0.0	49.8	100.9	78.3	76.2
99.0	0.0	49.7	98.4	76.9	75.7
99.5	0.0	49.7	96.3	75.7	75.3
100.0	0.0	49.9	94.2	74.8	74.5
100.5	0.0	50.0	92.6	74.1	73.8
101.0	0.0	50.3	90.8	73.4	73.3
101.5	0.0	50.6	89.2	72.9	72.9
102.0	0.0	51.0	88.1	72.5	72.6
102.5	0.0	51.4	87.1	72.4	72.4
103.0	0.0	51.8	86.4	72.3	72.1
103.5	0.0	52.1	85.4	72.2	71.9
104.0	0.0	52.3	84.3	72.2	71.5
104.5	0.0	52.5	83.2	72.2	71.3
105.0	0.0	52.7	81.9	72.3	71.0
105.5	0.0	52.7	80.7	72.5	71.0
106.0	0.0	52.7	79.8	72.6	71.2
106.5	0.0	52.6	79.2	72.7	71.5
107.0	0.0	52.5	78.6	72.7	71.7
107.5	0.0	52.1	78.0	72.9	71.9
108.0	0.0	51.7	77.4	73.2	72.1
108.5	0.0	51.1	77.0	73.5	72.3
109.0	0.0	50.5	76.6	73.6	72.6
109.5	0.0	49.8	76.3	73.7	72.8
110.0	0.0	49.0	76.0	73.6	73.2
110.5	0.0	48.3	75.7	73.4	73.4

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**CANDELA TABULATION - (Cont.)**

111.0	0.0	47.5	75.5	73.0	73.6
111.5	0.0	46.8	75.4	72.6	73.7
112.0	0.0	46.0	75.5	72.4	73.6
112.5	0.0	45.1	75.4	72.0	73.4
113.0	0.0	44.3	75.4	71.5	73.2
113.5	0.0	43.4	75.3	70.8	73.0
114.0	0.0	42.4	75.2	70.0	72.6
114.5	0.0	41.4	75.1	69.3	72.1
115.0	0.0	40.3	75.0	68.7	71.4
115.5	0.0	39.3	75.0	68.2	70.6
116.0	0.0	38.2	75.0	67.7	69.8
116.5	0.0	37.2	74.8	67.3	68.9
117.0	0.0	36.2	74.4	66.9	68.0
117.5	0.0	35.2	73.8	66.6	67.2
118.0	0.0	34.0	72.9	66.3	66.5
118.5	0.0	32.9	72.1	66.1	66.0
119.0	0.0	31.8	71.1	65.9	65.6
119.5	0.0	30.5	69.9	65.7	65.1
120.0	0.0	29.4	68.7	65.5	64.8
120.5	0.0	28.2	67.4	65.5	64.5
121.0	0.0	27.0	66.0	65.3	64.2
121.5	0.0	25.8	64.6	65.1	64.0
122.0	0.0	24.6	63.0	65.0	63.9
122.5	0.0	23.5	61.5	64.7	63.7
123.0	0.0	22.4	60.0	64.4	63.6
123.5	0.0	21.3	58.6	64.1	63.3
124.0	0.0	20.2	57.2	63.6	63.0
124.5	0.0	19.2	56.0	63.1	62.6
125.0	0.0	18.2	54.7	62.5	62.1
125.5	0.0	17.2	53.5	61.7	61.7
126.0	0.0	16.2	52.2	60.9	61.2
126.5	0.0	15.2	50.9	59.9	60.7
127.0	0.0	14.2	49.5	59.0	60.2
127.5	0.0	13.3	48.1	58.0	59.6
128.0	0.0	12.4	46.8	56.9	59.0
128.5	0.0	11.5	45.4	56.0	58.3
129.0	0.0	10.7	44.1	55.0	57.5
129.5	0.0	9.8	42.9	54.1	56.6
130.0	0.0	9.0	41.8	53.2	55.8
130.5	0.0	8.2	40.6	52.4	54.8
131.0	0.0	7.4	39.5	51.6	53.9
131.5	0.0	6.7	38.4	50.9	53.0
132.0	0.0	6.1	37.3	50.1	52.1
132.5	0.0	5.5	36.2	49.4	51.4
133.0	0.0	4.9	35.1	48.8	50.7
133.5	0.0	4.4	34.0	48.1	50.1
134.0	0.0	3.9	32.9	47.4	49.5
134.5	0.0	3.4	31.8	46.7	48.8
135.0	0.0	3.0	30.6	45.7	48.2
135.5	0.0	2.5	29.6	44.8	47.6
136.0	0.0	2.2	28.5	43.8	47.1
136.5	0.0	1.9	27.5	42.7	46.5
137.0	0.0	1.6	26.5	41.5	45.9
137.5	0.0	1.4	25.5	40.4	45.2
138.0	0.0	1.2	24.5	39.4	44.3
138.5	0.0	1.0	23.5	38.4	43.4

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 8K 360P-2-D-835-X-CA.IES**

**CANDELA TABULATION - (Cont.)**

139.0	0.0	0.9	22.5	37.3	42.4
139.5	0.0	0.8	21.5	36.3	41.5
140.0	0.0	0.7	20.5	35.2	40.6
140.5	0.0	0.7	19.5	34.2	39.6
141.0	0.0	0.6	18.5	33.2	38.6
141.5	0.0	0.5	17.7	32.1	37.7
142.0	0.0	0.5	16.8	30.9	36.5
142.5	0.0	0.4	15.9	29.6	35.3
143.0	0.0	0.4	15.1	28.4	34.1
143.5	0.0	0.3	14.3	27.7	33.1
144.0	0.0	0.3	13.6	26.9	32.0
144.5	0.0	0.3	12.9	25.9	30.9
145.0	0.0	0.2	12.1	25.0	29.9
145.5	0.0	0.2	11.4	24.0	29.0
146.0	0.0	0.2	10.7	23.1	27.9
146.5	0.0	0.2	9.9	22.0	26.9
147.0	0.0	0.2	9.3	20.9	25.7
147.5	0.0	0.2	8.6	19.8	24.1
148.0	0.0	0.1	8.1	18.8	22.2
148.5	0.0	0.1	7.5	17.7	20.5
149.0	0.0	0.1	7.0	16.7	19.3
149.5	0.0	0.0	6.4	15.7	18.1
150.0	0.0	0.0	6.0	14.7	16.9
150.5	0.0	0.0	5.5	13.8	16.0
151.0	0.0	0.0	5.0	12.9	15.4
151.5	0.0	0.0	4.5	12.1	14.7
152.0	0.0	0.0	4.1	11.3	13.8
152.5	0.0	0.0	3.7	10.6	13.0
153.0	0.0	0.0	3.4	9.9	12.3
153.5	0.0	0.0	3.1	9.2	11.5
154.0	0.0	0.0	2.8	8.5	10.7
154.5	0.0	0.0	2.5	7.9	9.9
155.0	0.0	0.0	2.3	7.3	9.2
155.5	0.0	0.0	2.1	6.7	8.5
156.0	0.0	0.0	1.9	6.2	7.8
156.5	0.0	0.0	1.7	5.7	7.1
157.0	0.0	0.0	1.6	5.2	6.6
157.5	0.0	0.0	1.5	4.7	6.0
158.0	0.0	0.0	1.5	4.3	5.4
158.5	0.0	0.0	1.4	3.9	4.9
159.0	0.0	0.0	1.3	3.5	4.5
159.5	0.0	0.0	1.3	3.1	4.1
160.0	0.0	0.0	1.2	2.8	3.6
160.5	0.0	0.0	1.1	2.5	3.2
161.0	0.0	0.0	0.9	2.2	2.8
161.5	0.0	0.0	0.8	2.0	2.4
162.0	0.0	0.0	0.7	1.8	2.1
162.5	0.0	0.0	0.6	1.6	1.9
163.0	0.0	0.0	0.4	1.5	1.7
163.5	0.0	0.0	0.3	1.4	1.5
164.0	0.0	0.0	0.2	1.3	1.4
164.5	0.0	0.0	0.1	1.2	1.3
165.0	0.0	0.0	0.0	0.9	1.2
165.5	0.0	0.0	0.0	0.8	1.1
166.0	0.0	0.0	0.0	0.7	0.8
166.5	0.0	0.0	0.0	0.5	0.7

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

167.0	0.0	0.0	0.0	0.3	0.6
167.5	0.0	0.0	0.0	0.1	0.4
168.0	0.0	0.0	0.0	0.0	0.2
168.5	0.0	0.0	0.0	0.0	0.0
169.0	0.0	0.0	0.0	0.0	0.0
169.5	0.0	0.0	0.0	0.0	0.0
170.0	0.0	0.0	0.0	0.0	0.0
170.5	0.0	0.0	0.0	0.0	0.0
171.0	0.0	0.0	0.0	0.0	0.0
171.5	0.0	0.0	0.0	0.0	0.0
172.0	0.0	0.0	0.0	0.0	0.0
172.5	0.0	0.0	0.0	0.0	0.0
173.0	0.0	0.0	0.0	0.0	0.0
173.5	0.0	0.0	0.0	0.0	0.0
174.0	0.0	0.0	0.0	0.0	0.0
174.5	0.0	0.0	0.0	0.0	0.0
175.0	0.0	0.0	0.0	0.0	0.0
175.5	0.0	0.0	0.0	0.0	0.0
176.0	0.0	0.0	0.0	0.0	0.0
176.5	0.0	0.0	0.0	0.0	0.0
177.0	0.0	0.0	0.0	0.0	0.0
177.5	0.0	0.0	0.0	0.0	0.0
178.0	0.0	0.0	0.0	0.0	0.0
178.5	0.0	0.0	0.0	0.0	0.0
179.0	0.0	0.0	0.0	0.0	0.0
179.5	0.0	0.0	0.0	0.0	0.0
180.0	0.0	0.0	0.0	0.0	0.0



**IES INDOOR REPORT**  
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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	961.37	N.A.	12.80
0-30	2048.8	N.A.	27.20
0-40	3328.17	N.A.	44.20
0-60	5745.2	N.A.	76.20
0-80	7063.21	N.A.	93.70
0-90	7259.87	N.A.	96.30
10-90	7014.94	N.A.	93.10
20-40	2366.8	N.A.	31.40
20-50	3639.25	N.A.	48.30
40-70	3269.00	N.A.	43.40
60-80	1318.01	N.A.	17.50
70-80	466.04	N.A.	6.20
80-90	196.66	N.A.	2.60
90-110	153.16	N.A.	2.00
90-120	207.47	N.A.	2.80
90-130	244.70	N.A.	3.20
90-150	273.28	N.A.	3.60
90-180	275.30	N.A.	3.70
110-180	122.14	N.A.	1.60
0-180	7535.17	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	244.93
10-20	716.45
20-30	1087.43
30-40	1279.37
40-50	1272.45
50-60	1144.58
60-70	851.97
70-80	466.04
80-90	196.66
90-100	88.77
100-110	64.39
110-120	54.32
120-130	37.23
130-140	20.20
140-150	8.38
150-160	1.85
160-170	0.16
170-180	0.00

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 8K 360P-2-D-835-X-CA.IES**

**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	96
1	108	103	99	95	105	100	96	93	95	92	89	91	88	86	87	85	83	80
2	98	90	83	77	95	88	81	76	83	78	74	80	75	72	76	73	69	67
3	89	79	71	64	87	77	70	64	74	67	62	70	65	60	67	63	59	57
4	82	70	61	55	79	68	60	54	66	58	53	63	57	52	60	55	51	48
5	75	63	54	47	73	61	53	47	59	51	46	56	50	45	54	49	44	42
6	70	56	48	41	68	55	47	41	53	46	40	51	45	40	49	43	39	37
7	65	51	42	36	63	50	42	36	48	41	36	47	40	35	45	39	35	33
8	60	47	38	32	58	46	38	32	44	37	32	43	36	31	41	35	31	29
9	56	43	35	29	55	42	34	29	41	34	29	39	33	28	38	32	28	26
10	53	40	32	26	51	39	31	26	38	31	26	37	30	26	35	30	25	24

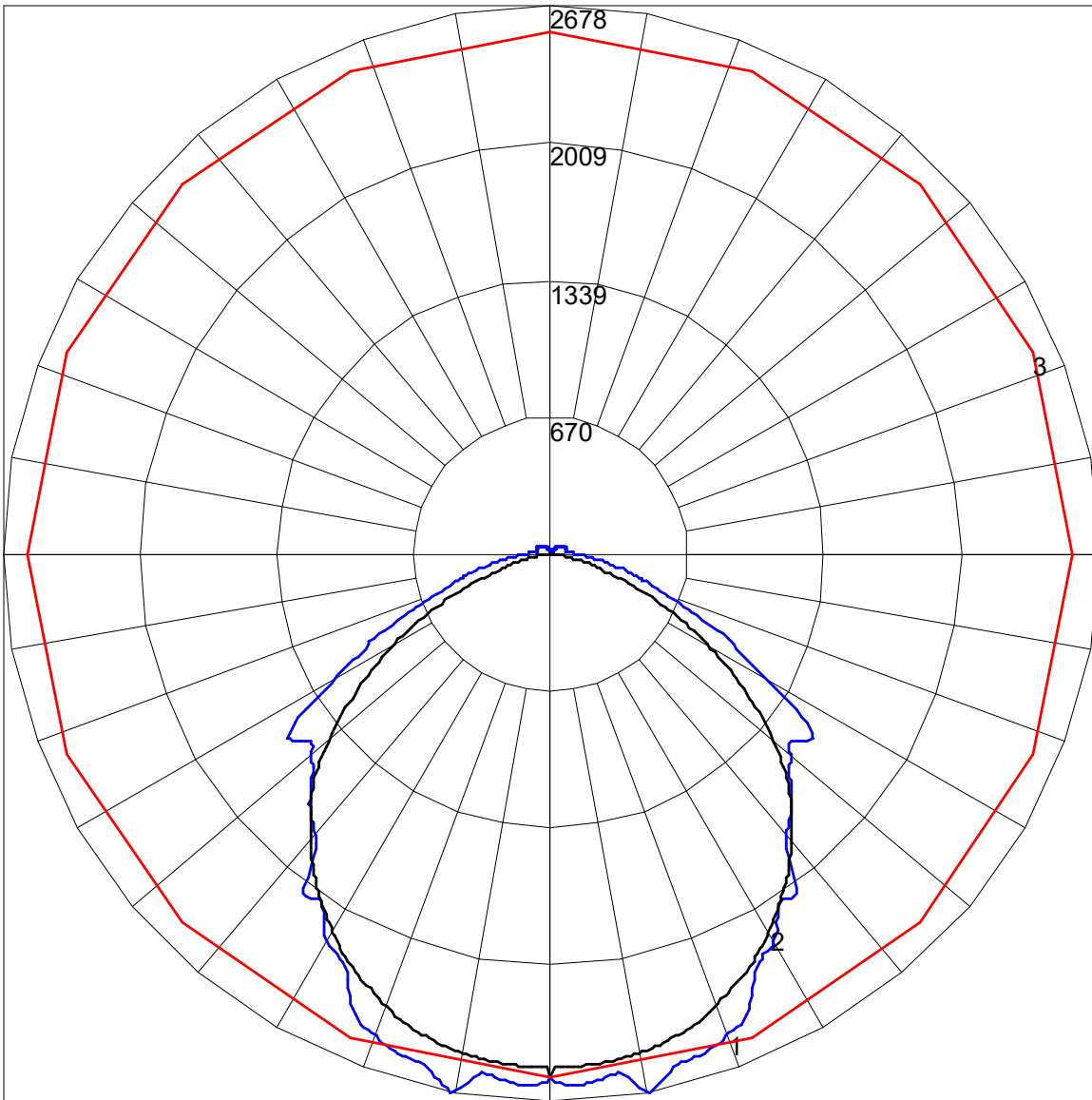
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 8K 360P-2-D-835-X-CA.IES**

**UGR TABLE - CORRECTED**

Reflectances											
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30	
Walls	50	30	50	30	30	50	30	50	30	30	
Floor Cavity	20	20	20	20	20	20	20	20	20	20	
Room Size		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	22.4	24.0	22.9	24.4	24.8	24.8	26.4	25.3	26.8	27.2
	3H	23.5	24.9	23.9	25.3	25.7	26.1	27.5	26.6	27.9	28.4
	4H	23.7	25.0	24.2	25.5	25.9	26.6	27.9	27.1	28.3	28.8
	6H	23.8	25.0	24.3	25.5	26.0	27.0	28.2	27.5	28.6	29.1
	8H	23.8	25.0	24.3	25.4	25.9	27.1	28.3	27.6	28.8	29.3
	12H	23.8	24.9	24.3	25.4	25.9	27.3	28.4	27.8	28.9	29.4
4H	2H	23.5	24.8	23.9	25.2	25.7	25.3	26.6	25.8	27.0	27.5
	3H	24.8	25.9	25.3	26.4	26.9	26.8	27.9	27.3	28.4	28.9
	4H	25.2	26.2	25.7	26.7	27.2	27.4	28.4	27.9	28.9	29.4
	6H	25.4	26.3	25.9	26.8	27.3	27.9	28.8	28.4	29.3	29.8
	8H	25.4	26.2	25.9	26.8	27.3	28.1	28.9	28.6	29.4	30.0
	12H	25.4	26.2	26.0	26.7	27.3	28.3	29.1	28.9	29.6	30.2
8H	4H	25.7	26.5	26.2	27.0	27.6	27.6	28.4	28.1	28.9	29.5
	6H	26.1	26.8	26.6	27.3	27.9	28.2	28.9	28.8	29.5	30.0
	8H	26.2	26.8	26.8	27.4	27.9	28.5	29.1	29.1	29.7	30.3
	12H	26.2	26.8	26.8	27.3	28.0	28.9	29.4	29.4	29.9	30.6
12H	4H	25.8	26.5	26.3	27.0	27.6	27.6	28.3	28.2	28.9	29.5
	6H	26.2	26.8	26.8	27.4	28.0	28.3	28.9	28.9	29.4	30.1
	8H	26.4	26.9	27.0	27.5	28.1	28.6	29.2	29.2	29.7	30.4

Maximum UGR = 30.6

POLAR GRAPH



Maximum Candela = 2678 Located At Horizontal Angle = 90, Vertical Angle = 10.5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Vertical Plane Through Horizontal Angles (0 - 180)  
# 3 - Horizontal Cone Through Vertical Angle (0)